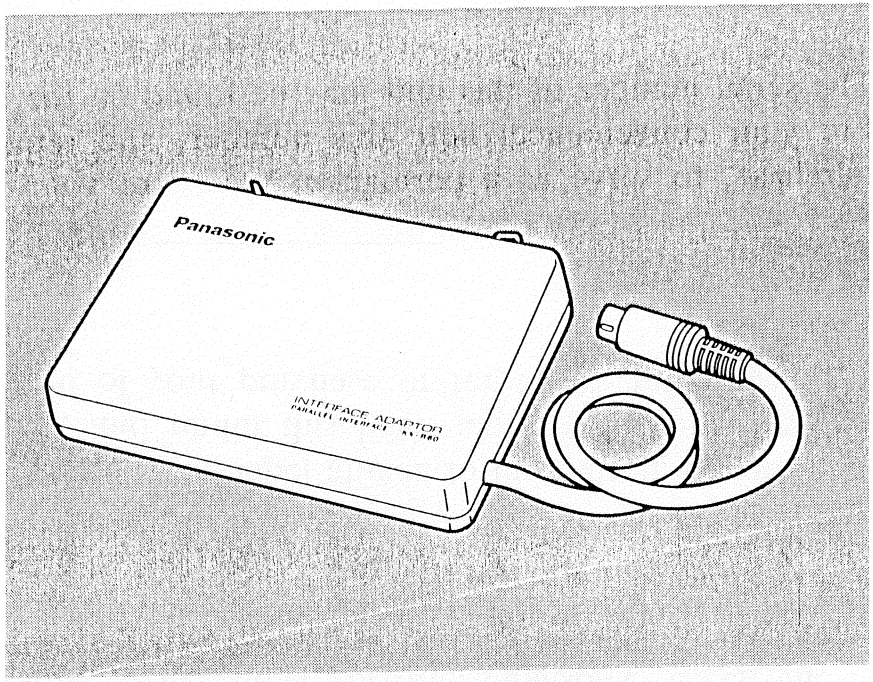
Panasonic

OPERATING INSTRUCTIONS

Interface Adaptor

MODEL NO. **KX-R60**



Before operating this unit, please read these instructions completely.

Thank you for your purchase of the Panasonic KX-R60 Interface Adaptor.

Before use please read the Operating Instructions for the Panasonic Electronic Typewriter as well.

The serial number of this unit may be found on the label affixed to the bottom of the unit. For your convenience, note this number, and retain this book along with your proof of purchase, to serve as a permanent record of your purchase or for future reference.

Model No. KX-R60 _____

Serial No. _____

(FOR USERS IN THE U.S.A.)

This equipment has been tested and found to comply with the limits for a Class B computing device in accordance with the specifications set forth in Subpart J of Part 15 of the FCC Rules. If this equipment does cause interference to radio or television reception which can be determined by turning the equipment on and off, use the equipment in another location and/or utilize an electrical outlet different from that used by the receiver. The user should use special accessories, such as shielded cable, as recommended in these operating instructions, in order to continue to meet FCC emission limits and not possibly interfere with nearby radio and television reception.

- Use shielded cables (Max. 2.0 m) for connection to peripherals to ensure continued compliance with FCC emission limits.

(FOR USERS IN CANADA)

This digital apparatus does not exceed the Class B limits for radio noise emissions from digital apparatus set out in the Radio Interference Regulations of the Canadian Department of Communications.

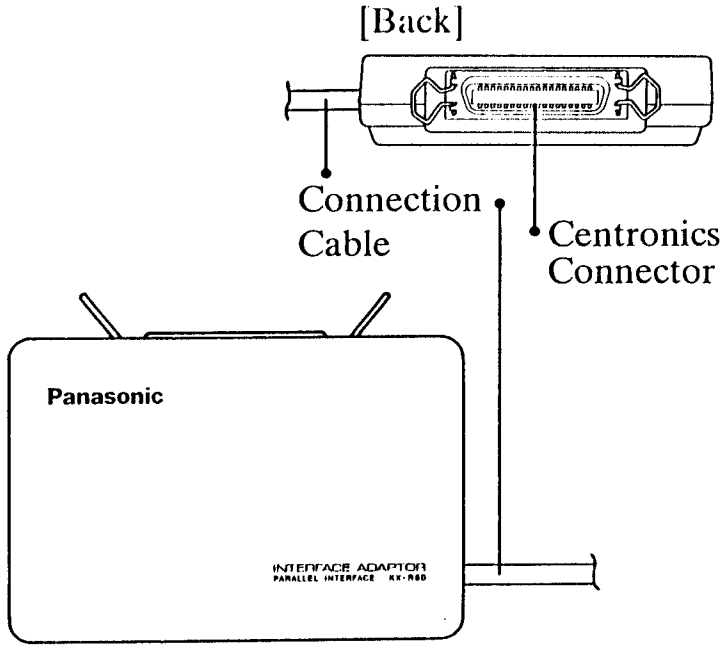
L'interférence radioélectrique générée par cet appareil numérique de type B ne dépasse pas les limites énoncées dans le Règlement sur les perturbations radioélectriques, section appareil numérique, du Ministère des Communications.

- Use shielded cables (Max. 2.0 m) for connection to peripherals to ensure continued compliance with D.O.C. emission limits.

PRECAUTIONS

- Do not place your Interface Adaptor where it is exposed to direct sunlight, heat or intense vibration.
- Do not allow any foreign matter to enter the interior of the Interface Adaptor.
- To prevent electric shock, do not remove screws. No user serviceable parts inside.
- Use only soft, dry cloth to clean your Interface Adaptor. Water or thinners may damage the covers, cases or electronic circuitry.

NAME OF PARTS



CENTRONICS PARALLEL INTERFACE

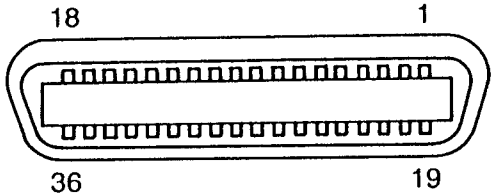
1. Table of Connector Signals

Number of Terminal	Name of Signal
1	$\overline{\text{STB}}$
2	DATA 1
3	DATA 2
4	DATA 3
5	DATA 4
6	DATA 5
7	DATA 6
8	DATA 7
9	DATA 8
10	$\overline{\text{ACK}}$
11	BUSY
12	GND
13	+5 V
14	NC

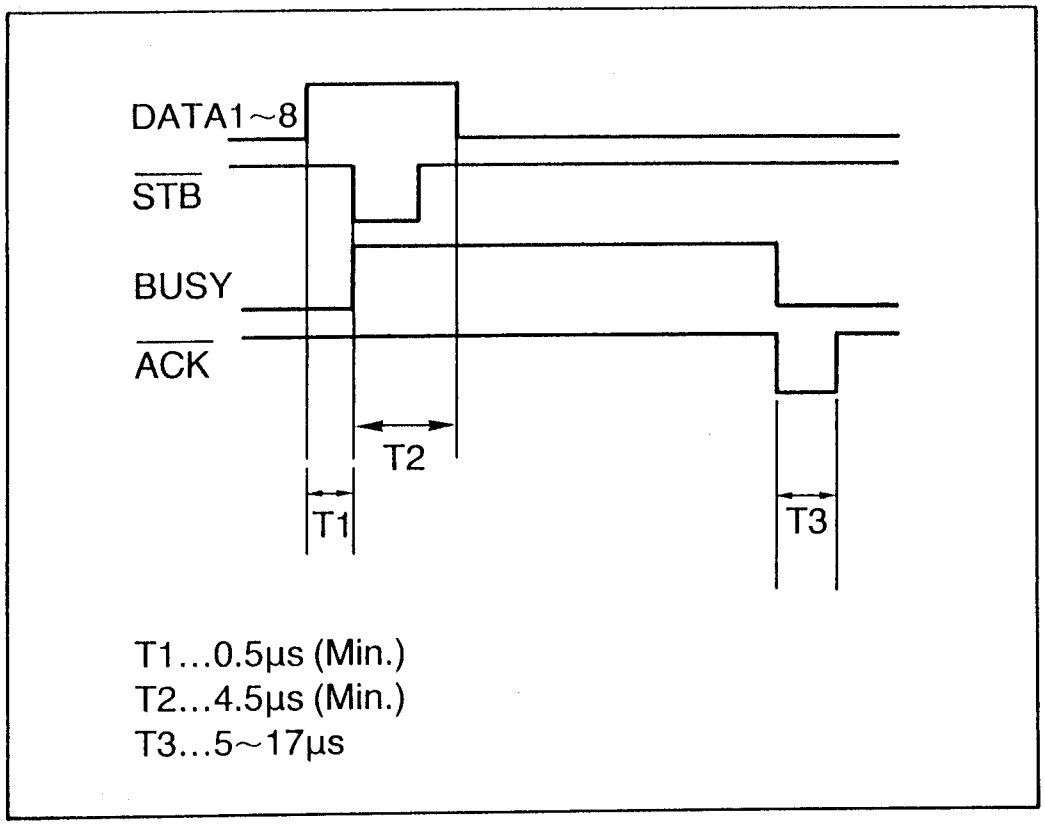
Number of Terminal	Name of Signal
15	NC
16	GND
17	NC
18	NC
19	GND
20	GND
21	GND
22	GND
23	GND
24	GND
25	GND
26	GND
27	GND
28	GND

Number of Terminal	Name of Signal
29	GND
30	GND
31	NC
32	+5 V
33	GND
34	NC
35	NC
36	NC

Centronics Connector

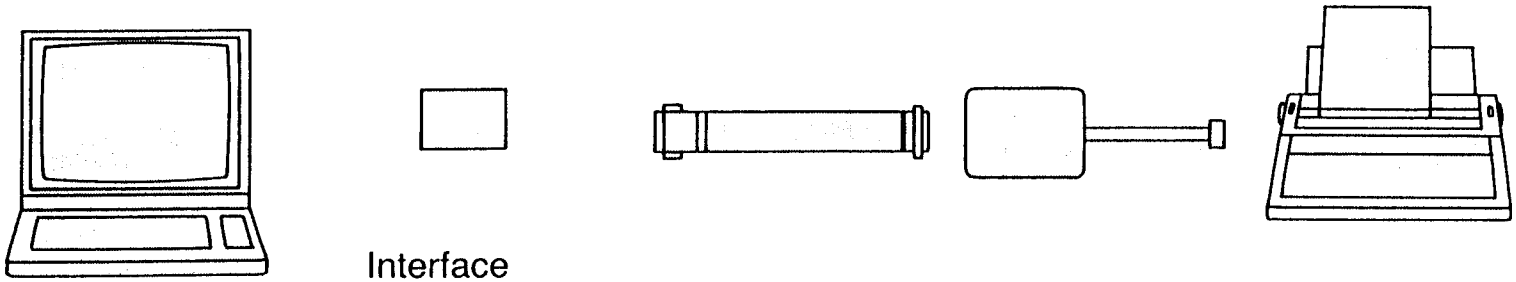


2. Timing Chart



T1...0.5µs (Min.)
T2...4.5µs (Min.)
T3...5~17µs

CONNECTION TO A COMPUTER



Computer	Interface Card	Cable
Panasonic Sr. Partner	Supplied	Centronics
Exec. Partner	Supplied	Centronics
Business Partner	Parallel	Centronics
IBM PC/XT/AT/PS 2	Parallel	Centronics
IBM PC Compatibles	*	Centronics
Apple IIe	Epson #8132W	Epson #8231

*Some Computer manufacturers do not provide an Interface Card or Cable with their computer. A Centronics compatible Parallel Interface Card and Cable must then be purchased separately.

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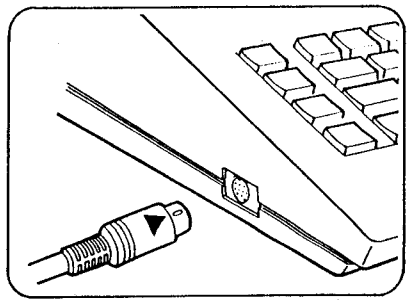
Centronics, Apple and Epson are all registered trademarks respectively of Data Computer Corp., Apple Computer Inc. and Seiko Epson Corporation.
The product names used herein have been used for identification purposes only and may be trademarks of their respective companies.

OPERATIONS

1 Attach the Interface Cable with the mark (◀) toward upper side to the Connector on the typewriter.



2 Attach the Computer Cable to the Centronics Connector.

3 Set the ON LINE Mode.
(Refer to the operating instructions of Panasonic Electronic Typewriter KX-R Models with Interface Port. Except KX-R350/R355/R375.)

4 Transmit data from the Computer.

PRINTER SELECTION

When you use a word processing software with a computer, refer to the operating instructions manual of your typewriter for the printer selection.

However, when the printer selection is not written in the typewriter manual, select "Standard Typewriter" or "General Printer" on the printer selection menu of your word processing software.

SPECIFICATIONS

Interface	Centronics-Parallel Interface
Applicable Typewriter	Panasonic Electronic Typewriter KX-R Models with Interface Port (Except KX-R350/R355/R375.)
Operating Temperature	41°F (5°C) to 95°F (35°C)
Operating Humidity	20 to 80% RH
Storage Temperature	−4°F (−20°C) to 140°F (60°C)
Dimensions (W×H×D)	4.6″×1.2″×3.1″ (118×30×80 mm)
Weight	Approx. 5.12 oz (145 g)

●Design and Specifications are subject to change without notice.

WARRANTY

(FOR USERS IN THE U.S.A., CANADA AND THE U.K.)

Refer to the contents of warranty described in the back of the typewriter's operating instructions or attached warranty card to the typewriter's operating instructions.

PRODUCT SERVICE

(FOR USERS IN THE U.S.A. ONLY)

Should your Panasonic product ever require service, refer to the Directory for an Authorized Panasonic Servicenter or consult your authorized Panasonic dealer described in the back of the typewriter's operating instructions for detailed instructions.

(FOR USERS IN THE OTHER COUNTRIES)

Should your Panasonic product ever require service, consult your authorized Panasonic dealer for detailed instructions.

Panasonic Company
Division of Matsushita Electric
Corporation of America
One Panasonic Way, Secaucus,
New Jersey, 07094

Panasonic Sales Company
Division of Matsushita Electric
of Puerto Rico, Inc.
San Gabriel Industrial Park
65th Infantry Avenue KM 9.5
Carolina, Puerto Rico 00630

Matsushita Electric of Canada Limited
5770 Ambler Drive, Mississauga, Ontario, L4W 2T3

Matsushita Electric Industrial Co., Ltd.
Central P.O. Box 288, Osaka 530-91, Japan

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